



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name QUALITY CONTROL LABORATORIES, CHANDERIA CEMENT WORKS, P.O.
CEMENT FACTORY, MADHAV NAGAR, SECTOR- I, CHITTORGARH, RAJASTHAN,
INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5470 Page No. : 1 / 4

Validity 16/05/2019 to 15/05/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
1	CHEMICAL- BUILDING MATERIAL	OPC 53	Al ₂ O ₃	IS 4032: 2014	0.2 % to 10.0 %
2	CHEMICAL- BUILDING MATERIAL	OPC 53	CaO	IS 4032: 2014	55.0 % to 68.0 %
3	CHEMICAL- BUILDING MATERIAL	OPC 53	Cl	IS 4032: 2014	0.005 % to 1.000 %
4	CHEMICAL- BUILDING MATERIAL	OPC 53	Fe ₂ O ₃	IS 4032: 2014	0.1 % to 6.0 %
5	CHEMICAL- BUILDING MATERIAL	OPC 53	IR	IS 4032: 2014	0.1 % to 8.0 %
6	CHEMICAL- BUILDING MATERIAL	OPC 53	LOI	IS 4032: 2014	0.1 % to 0.8 %
7	CHEMICAL- BUILDING MATERIAL	OPC 53	MgO	IS 4032: 2014	0.1 % to 10.0 %
8	CHEMICAL- BUILDING MATERIAL	OPC 53	SiO ₂	IS 4032: 2014	15.0 % to 28.0 %
9	CHEMICAL- BUILDING MATERIAL	OPC 53	SO ₃	IS 4032: 2014	0.1 % to 6.0 %
10	CHEMICAL- BUILDING MATERIAL	OPC-43	Al ₂ O ₃	IS 4032: 2014	0.2 % to 10.0 %
11	CHEMICAL- BUILDING MATERIAL	OPC-43	CaO	IS 4032: 2014	55.0 % to 68.0 %
12	CHEMICAL- BUILDING MATERIAL	OPC-43	Cl	IS 4032: 2014	0.005 % to 1.0 %
13	CHEMICAL- BUILDING MATERIAL	OPC-43	Fe ₂ O ₃	IS 4032: 2014	0.1 % to 6.0 %



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14	CHEMICAL- BUILDING MATERIAL	OPC-43	IR	IS 4032: 2014	0.1 % to 8.0 %
15	CHEMICAL- BUILDING MATERIAL	OPC-43	LOI	IS 4032: 2014	0.1 % to 8.0 %
16	CHEMICAL- BUILDING MATERIAL	OPC-43	MgO	IS 4032: 2014	0.1 % to 10.0 %
17	CHEMICAL- BUILDING MATERIAL	OPC-43	SiO ₂	IS 4032: 2014	15.0 % to 28.0 %
18	CHEMICAL- BUILDING MATERIAL	OPC-43	SO ₃	IS 4032: 2014	0.1 % to 6.0 %
19	CHEMICAL- BUILDING MATERIAL	PPC Pt-1	CI	IS 4032: 2014	0.005 % to 1.0 %
20	CHEMICAL- BUILDING MATERIAL	PPC Pt-1	IR	IS 4032: 2014	15.0 % to 40.0 %
21	CHEMICAL- BUILDING MATERIAL	PPC Pt-1	LOI	IS 4032: 2014	0.10 % to 10.0 %
22	CHEMICAL- BUILDING MATERIAL	PPC Pt-1	MgO	IS 4032: 2014	0.1 % to 10.0 %
23	CHEMICAL- BUILDING MATERIAL	PPC Pt-1	SO ₃	IS 4032: 2014	0.1 % to 6.0 %
24	MECHANICAL- BUILDINGS MATERIALS	OPC 43	Autoclave expansion	IS 4031: 2014	0.001 % to 2.0 %
25	MECHANICAL- BUILDINGS MATERIALS	OPC 43	Fineness	IS 4031: 2013	100 m ² /kg to 800 m ² /kg
26	MECHANICAL- BUILDINGS MATERIALS	OPC 43	Initial Setting Time (Minutes)	IS 4031: 2014	15 minutes to 250 minutes



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27	MECHANICAL-BUILDINGS MATERIALS	OPC 43	Soundness by Le-chatelier expansion (mm)	IS 4031: 2014	0.5 mm to 30.0 mm
28	MECHANICAL-BUILDINGS MATERIALS	OPC 43	Standard Consistency	IS 4031: 2014	10 % to 35 %
29	MECHANICAL-BUILDINGS MATERIALS	OPC 53	Autoclave expansion	IS 4031: 2014	0.001 % to 2.000 %
30	MECHANICAL-BUILDINGS MATERIALS	OPC 53	Compressive Strength	IS 4031: 2014	14 MPa to 80 MPa
31	MECHANICAL-BUILDINGS MATERIALS	OPC 53	Final Setting Time	IS 4031: 2014	30 minutes to 600 minutes
32	MECHANICAL-BUILDINGS MATERIALS	OPC 53	Fineness	IS 4031: 2013	100 m ² /kg to 800 m ² /kg
33	MECHANICAL-BUILDINGS MATERIALS	OPC 53	Initial Setting Time	IS 4031: 2014	15 minutes to 250 minutes
34	MECHANICAL-BUILDINGS MATERIALS	OPC 53	Soundness by Lechatelier expansion	IS 4031: 2014	0.5 % to 30.0 %
35	MECHANICAL-BUILDINGS MATERIALS	OPC 53	Standard Consistency	IS 4031: 2014	10 % to 35 %
36	MECHANICAL-BUILDINGS MATERIALS	OPC43	Compressive Strength	IS 4031: 2014	14 Mpa to 80 Mpa



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37	MECHANICAL- BUILDINGS MATERIALS	OPC43	Final Setting Time	IS 4031: 2014	30 minutes to 600 minutes
38	MECHANICAL- BUILDINGS MATERIALS	PPC Pt-1	Autoclave expansion	IS 4031: 2014	0.001 % to 2.000 %
39	MECHANICAL- BUILDINGS MATERIALS	PPC Pt-1	Compressive Strength	IS 4031: 2014	14 MPa to 80 MPa
40	MECHANICAL- BUILDINGS MATERIALS	PPC Pt-1	Final Setting Time	IS 4031: 2014	30 minutes to 600 minutes
41	MECHANICAL- BUILDINGS MATERIALS	PPC Pt-1	Fineness	IS 4031: 2013	100 m ² /kg to 800 m ² /kg
42	MECHANICAL- BUILDINGS MATERIALS	PPC Pt-1	Initial Setting Time	IS 4031: 2014	15 minutes to 250 minutes
43	MECHANICAL- BUILDINGS MATERIALS	PPC Pt-1	Soundness by Lechatelier expansion	IS 4031: 2014	0.5 mm to 30.0 mm
44	MECHANICAL- BUILDINGS MATERIALS	PPC Pt-1	Standard Consistency	IS 4031: 2014	10 % to 35 %